

Claims

- [c1] 1.A plasma display panel comprising:
a plurality of first discharge spaces positioned between a front substrate and a rear substrate; and
a plurality of sub-pixel units, each of the first discharge spaces comprising at least two of the sub-pixel units.
- [c2] 2.The plasma display panel of claim 1 wherein the sub-pixel units comprise a plurality of red sub-pixel units, blue sub-pixel units, and green sub-pixel units, wherein one of the red sub-pixel units, one of the blue sub-pixel units, and one of the green sub-pixel units together constitute a pixel unit.
- [c3] 3.The plasma display panel of claim 2 wherein each of the sub-pixel units comprises a first electrode, a second electrode adjacent to the first electrode, and an addressing electrode opposite to the first electrode and the second electrode for igniting plasma in each of the sub-pixel units.
- [c4] 4.The plasma display panel of claim 3 wherein the first electrode and the second electrode of each of the sub-pixel units comprise a first protruded portion and a sec-

ond protruded portion respectively, the first protruded portion being opposite to the second protruded portion for igniting plasma in each of the sub-pixel units.

[c5] 5.The plasma display panel of claim 4 further comprising a plurality of first closed rib units positioned between the front substrate and the rear substrate.

[c6] 6.The plasma display panel of claim 5 wherein each of the first discharge space is defined between the front substrate, the rear substrate, and each of the first closed rib units.

[c7] 7.The plasma display panel of claim 6 wherein each of the first closed rib units comprises at least one extended rib for separating the sub-pixel units in each of the first closed rib units from each other.

[c8] 8.The plasma display panel of claim 7 wherein each of the first closed rib units comprises a structure of a hexagonal ring, a quadrilateral ring, or a decagonal ring.

[c9] 9.The plasma display panel of claim 8 wherein the sub-pixel units of each pixel unit are arranged in a delta.

[c10] 10.The plasma display panel of claim 8 wherein the sub-pixel units of each pixel unit are arranged in a line.

[c11] 11.The plasma display panel of claim 5 further compris-

ing a plurality of second discharge spaces, each of which comprises one of the sub-pixel units.

[c12] 12.The plasma display panel of claim 11further comprising a plurality of second closed rib units positioned between the front substrate and the rear substrate.

[c13] 13.The plasma display panel of claim 12 wherein each of the second discharge spaces is defined between the front substrate, the rear substrate, and each of the second closed rib units.

[c14] 14.The plasma display panel of claim 13 wherein each of the second closed rib units comprises a structure of a hexagonal ring or a quadrilateral ring.

[c15] 15.The plasma display panel of claim 4further comprising a plurality of waffle-structured ribs positioned on the rear substrate and extending along a first direction.

[c16] 16.The plasma display panel of claim 15 wherein each of the first discharge spaces is defined between the front substrate, the rear substrate, and two adjacent waffle-structured ribs.

[c17] 17.The plasma display panel of claim 16 further comprising a plurality of second discharge spaces, each of which comprises one of the sub-pixel units.

- [c18] 18. The plasma display panel of claim 17 wherein each of waffle-structured ribs comprises a plurality of third closed rib units that are arranged in a matrix.
- [c19] 19. The plasma display panel of claim 18 wherein each of the second discharge spaces is defined between the front substrate, the rear substrate, and each of the third closed rib units.
- [c20] 20. The plasma display panel of claim 19 wherein the sub-pixel units of each pixel unit are arranged in a line.
- [c21] 21. The plasma display panel of claim 4 further comprising a plurality of bar-like ribs positioned on the rear substrate and extending along a first direction.
- [c22] 22. The plasma display panel of claim 21 wherein each of the first discharge spaces is defined between the front substrate, the rear substrate, and two adjacent bar-like ribs.
- [c23] 23. The plasma display panel of claim 22 wherein each of the first discharge spaces further comprises a plurality of first regions, each of which comprises two of the sub-pixel units, and a plurality of second regions, each of which is located between two adjacent first regions and has a smaller area than each of the first regions.

[c24] 24. The plasma display panel of claim 23 wherein the sub-pixel units of each pixel unit are arranged in a delta.